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Electromagnetic emissions from black hole spacetimes[1] LUIS LEHNER, Perimeter Institute/Univ of Guelph, TRAVIS GARRETT, Perimeter Institute/Louisiana State University, ERIC HIRSCHMANN, Brigham Young University, STEVEN LIEBLING, Long Island State University, DAVID NEILSEN, Brigham Young University, PATRICK MOTL, Indiana University of Kokomo, CARLOS PALENZUELA, Canadian Institute for Theoretical Astrophysics — Many of the expected astrophysical sources of gravitational waves may also be bright in the electromagnetic spectrum. Concurrent detection in both electromagnetic and gravitational bands promises significant gains in our ability to understand such systems. We discuss how black holes inmersed on the external magnetic field from a circumbinary disk produces a collimated e mission in the form of electromagnetic jets. In particular we illustrate the behavior of single and binary black holes and the depedence of jet with spin and black hole motion.

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